

Preliminary Amendment  
Serial No. 10/613,376

Customer No. 01933

Listing of Claims:

Claims 1-18 (Canceled)

19. (New) An optical fiber suitable for use in a dispersion managed transmission line, which has a ratio of a dispersion to a dispersion slope being positive at a wavelength of 1550 nm, a positive dispersion of 14 to 24 ps/nm/km in a wavelength band of 1530 to 1570 nm, a positive dispersion slope of not more than 0.08 ps/nm<sup>2</sup>/km in a wavelength band of 1530 to 1570 nm, a transmission loss of not more than 0.25 dB/km at a wavelength of 1550 nm, an effective core area of not less than 95  $\mu\text{m}^2$  at a wavelength of 1550 nm, a bending loss of 20 dB/m or less at a bending diameter of 20 mm and at a wavelength of 1550 nm, and a polarization mode dispersion of 0.15 ps/km<sup>1/2</sup> or less at a wavelength of 1550 nm, and which operates in a single mode in a wavelength band of 1530 to 1570 nm.

20. (New) An optical transmission line comprising the optical fiber recited in claim 19.

21. (New) An optical fiber suitable for use in a dispersion managed transmission line, which has a ratio of a dispersion to a dispersion slope being positive at a wavelength of 1550 nm, a positive dispersion of 14 to 24 ps/nm/km in a wavelength band of

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5 1530 to 1570 nm, an effective core area of not less than  $90 \mu\text{m}^2$   
at a wavelength of 1550 nm, and a bending loss of 20 dB/m or less  
at a bending diameter of 20 mm and at a wavelength of 1550 nm.

22. (New) An optical transmission line comprising the  
optical fiber recited in claim 21.

23. (New) An optical fiber suitable for use in a dispersion  
managed transmission line, which has a ratio of a dispersion to a  
dispersion slope being positive at a wavelength of 1550 nm, a  
positive dispersion of 14 to 17 ps/nm/km in a wavelength band of  
5 1530 to 1570 nm, a positive dispersion slope of not more than  
0.08 ps/nm<sup>2</sup>/km in a wavelength band of 1530 to 1570 nm, a  
transmission loss of not more than 0.25 dB/km at a wavelength of  
1550 nm, an effective core area of not less than  $90 \mu\text{m}^2$  at a  
wavelength of 1550 nm, a bending loss of 20 dB/m or less at a  
10 bending diameter of 20 mm and at a wavelength of 1550 nm, and a  
polarization mode dispersion of 0.15 ps/km<sup>1/2</sup> or less at a  
wavelength of 1550 nm, and which operates in a single mode in a  
wavelength band of 1530 to 1570 nm.

24. (New) An optical transmission line comprising the  
optical fiber recited in claim 23.